

SEQUENCE LISTING

<110> Mirkin, Chad A.
Letsinger, Robert L.
Mucic, Robert C.
Storhoff, James J.
Elghanian, Robert
Taton, Thomas A.

<120> NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
AND USES THEREFOR

<130> 4149-1-1-1-1

<140> Not Yet Assigned
<141> 2000-06-26

<150> 60/031,809
<151> 1996-07-29

<150> PCT/US97/12783
<151> 1997-07-21

<150> 09/240,755
<151> 1999-01-29

<150> 09/344,667
<151> 1999-06-25

<150> 60/200,161
<151> 2000-04-26

<160> 64

<170> PatentIn Ver. 2.1

<210> 1
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 1
aaacgactct agcgcgata

<210> 2
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random synthetic sequence

<400> 2
atggcaacta tacgcgctag 20

<210> 3
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random synthetic sequence

<400> 3
ccttgagatt tccctc 16

<210> 4
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random synthetic sequence

<400> 4
gagggaaatc tcaagg 16

<210> 5
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random synthetic sequence

<400> 5
aacttgcgct aatggcga 18

<210> 6
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random synthetic sequence

<400> 6
aagttgcgct ttacggctaa tggcga 26

<210> 7
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random synthetic sequence

<400> 7
tctccttccc ttttc 15

<210> 8
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random synthetic sequence

<400> 8
gaaaaggaa ggaga 15

<210> 9
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 9
cttttccctt cctct

15

<210> 10
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 10
aaacgactct agcgcgata gttgccat

28

<210> 11
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 11
atggcaacta tacgcgttag agtcgtt

28

<210> 12
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 12
cctatcgacc atgct

15

<210> 13
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random synthetic sequence

<400> 13
agcatggtcg ataggaacg actcttagcgc 30

<210> 14
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random synthetic sequence

<400> 14
gcgccttagatgt cgttt 15

<210> 15
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random synthetic sequence

<400> 15
agcatggtcg ataggatggc aactatacgc 30

<210> 16
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random synthetic sequence

<400> 16
gtcgatagga aacgactcta gcgc

24

<210> 17
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 17
agcatggttg ataggaaacg actcttagcgc

30

<210> 18
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 18
agcatgtttg ataggaaacg actcttagcgc

30

<210> 19
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 19
tctcaactcg ta

12

<210> 20
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 20
cgcattcagg at

12

<210> 21
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 21
tacgagttga gagagtggcc acat

24

<210> 22
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 22
tacgagttga gaatcctgaa tgcg

24

<210> 23
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 23
tacgagttga gaatcctgaa tgct

24

<210> 24

<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 24
tacgagttga gactcctgaa tgcg 24

<210> 25
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 25
tacgagttga gaatcctgaa tgc 23

<210> 26
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 26
tacgagttga gacatcctga atgcg 25

<210> 27
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 27

tacgagttga gaatcctgaa tgcg

24

<210> 28
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 28
taggacttac gc

12

<210> 29
<211> 48
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 29
tacgagttga gaccgttaag acgaggcaat catgcaatcc tgaatgcg

48

<210> 30
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 30
tgcatgattg cctcgtctta acgg

24

<210> 31
<211> 72
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:random
synthetic sequence

<400> 31
tacgagttga gaccgttaag acgaggcaat catgcataata ttggacgctt tacggacaac 60
atcctgaatg cg 72

<210> 32
<211> 48
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 32
gttgtccgtaa aagcgccaa tatatgcattt attgcctcgat cttAACGG 48

<210> 33
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 33
tctcaactcg ta 12

<210> 34
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 34
tacgagttga gaatcctgaa tgcg 24

<210> 35

<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random synthetic sequence

<400> 35
cgcattcagg at 12

<210> 36
<211> 141
<212> DNA
<213> anthrax

<400> 36
ggcggatgag tcaagtatgtta aggaggctca tagagaagta attaattcgt caacagaggg 60
attattgtta aatattgata aggatataag aaaaatatta tccagggtta tattttagaa 120
attgaagata ctgaagggtt t 141

<210> 37
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random synthetic sequence

<400> 37
taacaataat ccctc 15

<210> 38
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random synthetic sequence

<400> 38
atccttatca attttt 15

<210> 39
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random synthetic sequence

<400> 39
tgaggctcct taactactga ctcatccgcc 30

<210> 40
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random synthetic sequence

<400> 40
tggacgaa ttaattactt ctcta 25

<210> 41
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random synthetic sequence

<400> 41
tataaccctg gataatattt ttcttat 27

<210> 42
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random synthetic sequence

<400> 42
aagcccttca gtatcttcaa tttctacaa

29

<210> 43
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 43
tctcaactcg taaaaaaaaaa aa

22

<210> 44
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 44
tacgagttga gaatcctgaa tgcg

24

<210> 45
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 45
aaaaaaaaaaa cgcattcagg at

22

<210> 46
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 46
tctcaactcg taaaaaaaaaa aa

22

<210> 47
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 47
aaaaaaaaaaa cgcattcagg at

22

<210> 48
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 48
tacgagttga gaatcctgaa tgcg

24

<210> 49
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 49
ctacttagat ccgagtggccc acat

24

<210> 50
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random synthetic sequence

<400> 50
cgcattcagg at 12

<210> 51
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random synthetic sequence

<400> 51
aaaaaaaaaaa aaaaaaaaaa cgcattcagg at 32

<210> 52
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random synthetic sequence

<400> 52
cgcattcagg atwwwwwwww wwwwwwwwwww ww 32

<210> 53
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random synthetic sequence

<400> 53
atcctgaatg cg 12

<210> 54
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random synthetic sequence

<400> 54
atcctgaatg cg 12

<210> 55
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random synthetic sequence

<400> 55
aaaaaaaaaa aaaaaaaaaa 20

<210> 56
<211> 27
<212> DNA
<213> Anthrax

<400> 56
ggattattgt taattattga taaggat 27

<210> 57
<211> 12
<212> DNA
<213> Anthrax

<400> 57
taacaatnat cc 12

<210> 58
<211> 15
<212> DNA
<213> Anthrax

<400> 58
atcccttatca atatt 15

<210> 59
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random synthetic sequence

<400> 59
tctcaactcg ta 12

<210> 60
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random synthetic sequence

<400> 60
tacgagttga gaatcctgaa tgcg 24

<210> 61
<211> 48
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random synthetic sequence

<400> 61
gcgttaagtcc taacgtacta acggagcaga attgccagag ttgagcat 48

<210> 62
<211> 72
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random synthetic sequence

<400> 62
gcgtaagtcc tacaacaggc atttcgcagg ttatatacgt actaacggag cagaattgcc 60
agagttgagc at 72

<210> 63
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random synthetic sequence

<400> 63
tgcatgattg cctcgcttta acgg 24

<210> 64
<211> 48
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random synthetic sequence

<400> 64
gttgtccgta aagcgtccaa tatatgcattt attgcctcgat cttAACGG 48